

Note to Signing Official: In accordance with Title 40 of the Code of Federal Regulations Part 403 Section 403.14, information and data provided in this permit application, which identifies the nature and frequency of discharge, shall be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR Part 2.

	SEC	CTION A -	GENER	AL INFO	RMATION	
2. Ope Is The op If no, pro	erator Name perator identified o ovide the name ar	bove the owner of t	he facility?	Yes nit a copy of	No	or other documents
	ILITY ADDRESS					
	D. Ave	South Sion	ox Coly	NE	68776	
Street	SECTION CONTRACTOR IN	City		State	Zip	Jurisdiction
4. MAI	LING ADDRESS (if	different)				
Sau	me as a	bove				
Street			City		State	Zip
5. DES	IGNATED SIGNA	ATORY AUTHORITY	Y OF THE FA	CILITY:		
	additional informa Desiree N	tion for each author		in Josephinia di Walto e to co		
Nume	DESTREE IV	(asteri	іше Г	egui 4 10	ry compil	ance Director
Addres	s Iblb Da	Ave	City 5	South S City	tde Nata	= Zip 68776
Phone	920-615-	2620 E	mail Addre	ss dime	caslen@lo	igoxenergy.com
6. DES	IGNATED FACIL		4 6 6			
Name	Perry Wi	nkler	Title 2	Plant 1	Vanager	88
13,100,000	920-615				•	bigoxenergy.com
7. DES	IGNATED BILLIN	G CONTACT:	redi ente	and supplied to		
Name	Tabitha,	Anderson	Title A	ecounts	Payable-	Team Lead
Phone	920-425	-7192				D boetcams.com



SECTION B - BUSINESS ACTIVITY

1. If your facility employs or will be employing processes in any of the industrial categories or business activities listed below (regardless of whether they generate wastewater, waste, sludge or hazardous wastes) place a check beside the category of business activity (check all that apply) Industrial Categories* Airport Deicing Aluminum Forming Asbestos Manufacturing Battery Manufacturing **Builders Paper and** Carbon Black Cement Manufacturing Centralized Waste **Board Mills** Manufacturing Treatment Chemical Formulators Coil Coating Copper Forming **Dairy Products** and Packagers Processing Electrical and Electronic Electroplatina **Explosives Manufacturing Feedlots** Components Ferro Alloy Manufacturina Fertilizer Manufacturing Canned & Preserved Fruits Glass Manufacturing and Vegetables Processing Grain Mills Gum and Wood Hospitals Industrial Laundries Chemicals Mfgring Ink Formulating Inorganic Chemicals Iron & Steel Manufacturing Landfills or Incinerators Manufacturing Leather Tanning and Finishing Meat Products Metal Finishina Metal Molding and Casting Metal Products & Machinery Mineral Mining & Nonferrous Metals Forming & Nonferrous Metals Processing Metal Powders Manufacturing Ore Mining and Dressing Organic Chem., Plastic Paint Formulating Paving & Roofing & Synthetic Fibers Materials Petroleum Refinina Pharmaceutical Phosphate Manufacturing Photographic Manufacturing **Processing** Plastics Molding and Porcelain Enameling Pulp, Paper & Paper Board **Rubber Processing** Forming Canned & Preserved Soaps and Steam Electric Power Genera Sugar Processing Seafood Processing **Detergents** Textile Mills **Timber Products** Transportation Equipment **Urban Stormwater** Processing Cleaning *Environmental Protection Agency (EPA) Categorical Pretreatment standards may apply to facilities with the processes listed above. These facilities are termed "Categorical Users"



Give a brief description (attach additional she	on of all operations at t ets if necessary)	his facility includi	ng primary pr	oducts or services							
Anaerobic diger Materia I for Wastewater ne for Centrate,	entralization industrial a	and solution	ids sepa tary wa	eration stenater.							
indicate applicable Star	Indicate applicable Standard Industrial Classification (SIC) for all processes: (If more than one applies, list all)										
A 4952	A 4952 B C D										
	Product	Volume Estimate									
Product	Past	A	mounts Per Do	ay (Daily Units)							
Produced	Calendar	Maximum	Average	Maximum							
Wastewater	Jun. 12017 - Prac	nt 2.1 MGD	1.75 MGD	0.3 MHD							
Year Operations Began:	2016	43.5		934 (4 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2							



SECTI	ON C - WA	TER SUPPLY
Sources (check all that ap	olv)	ILK SUITLI
Private Well		Surface Western
Municipal Water (Specify City): South	X Sign CI Other	Surface Water (Specify):
	Ox Energy	(эреспу).
	t Number City State 7in	1): 1616 DAVE, SSC NE 68T
4. Water Service Account Nur	mber:	11 1616 DAVE, 550 NE 687
List average water usage o		s may estimate usage)
Туре	Average Water Usage (gpd)	Indicate Estimated or Measured
A. Contact cooling water		
B. Non-contact cooling water		
C. Boiler feed		
D. Process Vsage	25,000 apd	Measured
E. Sanitary	1,000 apel	estimated
F. Air pollution control Gas SKID	15,000 and	metered
G. Contained in product	Jr.	7707070
H. Plant and equipment wash down	Process Vage	
I. Irrigation and equipment wash		
J. Other (specify):		
Total of A-J	41,000 apd	
SECTION		NFORMATION
	FOR EXISTING BUSINESSES	SONLY
Is the building presently connected system?	to the public sanitary sewer	2. Sanitary sewer account number
Yes	No	92906-1015405
3. Have you applied for a sanitary	sewer connection?	101010
	OR NEW BUSINESSES O	NLY
 Will you be occupying an existin 	g vacant building (such as	in an industrial park)?



2. Have	you applied for a buil	ding permit if a ne	ew facility	will be cor	nstructed?			
3. Will yo	u be connected to th	ne public sanitary	sewersys	item?	84 - 1 ° 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
4. List the sewer	size, descriptive loc system. (If needed, c	ation, and flow of attach additional i	each fac nformatio	ility sewer li on on anoth	ne which o	connects	to the City'	s
Sewer Size	Descriptive Location of	f Sewer Connection	or Discha	rge Point A	verage Flo	ow (GPD)		
	,							
0.000					-3/5/25-10-0-0-0-			
	SE	CTION I	= - W	AST	WA	ΓER		
	DI	SCHAR	GE II	NFOR	MAT	ION		
1. Does (or will) this facility dis	charge any waste	No	her than fro				ation
2. Provid	e the following inforn	nation on wastew	ater flow i	rate (new fo	acilities ma	y estimat	e)	
		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Hours/Day (e.g., 8hrs/	y of discharge day)	24hr						→
Hours of D	vischarge n. to 5 p.m.)	24 hr	-					\rightarrow



3. Wastewater Flowrates			
Peak Per Minute (gpm)	2100 gpm	h. Paul Dai	
Annual Average Flowrate (GPD)		by Peak Degia	n Capacity
Max Daily Flow Rate (GPD)	30 MAD	* effluent Disc	
Discharge Type		Design Capacitoninuous X	
If Batch, Provide the Following:		Millio003	Other
Number of Batch Discharges per Week	Gallons Discharged per Batch	Time of Batch Discharges (Time of Day)	Flow Rate of Discharge (GPM)
			(O/M)
generated, draw a diagram the start of the activity to its Indicate which processes us volume and maximum daily estimates are used for flow of wastewater discharges to the processes in the building lay Facilities that checked activ User and should proceed to Process School	se water and general volume of each volume of each volume and general data, this must be ne public sewer. Use yout in Section H. vities in Section B (ring all unit processes. erate wastestreams. Incluvastestream (new facilities indicated. Number each see these numbers when see the see t	de the average daily es may estimate). If unit process having howing the unit



No.	Process Description	Avg Flow (GPD)	Maximum Flow (GPD)	Type of Discharge
1	GEM	1.735 MGD	3.0 MED	Continua
2	GAS SKID	= 015 M&D		Daily
6. For Cate	estions 6 and 7 only if you are subjections 6 and 7 only if you are subjections of wastewood processes. Include the reference number	iter discharge flows of each of y	our processes or	
process.	(New facilities should provide estimates fo	r each discharge)	725	
No.	Regulated Process	Avg Flow (GPD)	Maximum Flow (GPD)	Type of Discharge
No.	Unregulated Process	Average Flow (GPD)	Maximum Flow (GPD)	Type of Discharge
7. For Cat	egorical users subject to Total Toxio	Organic (TTO) requireme	nts, please pro	ovide the
A. Doe	s (or will) this facility use any of the toxi er the TTO standard of the applicable			
und	dards published by EPA?			
und stan B. Has		en submitted		



8. Do you have, or plan to have, automatic sampling metering equipment at this facility?	g equipment or continu	Jous wastewater flow					
Currently	Past						
Flow Metering Yes No NA	Flow Metering	Yes No NA					
Sampling Yes No NA	Sampling	Yes No NA					
If so, please indicate the present or future location o schematic and describe the equipment below:							
Facility has a 4 bottle discrete for (Isco). The flow pacing is based the flow meter is connected to system for discharge duta. 9. Are any process changes or expansions planned the next three years that could alter wastewater vor characteristics? Consider production processes as air or water pollution treatment processes that affect the discharge. 10. Briefly describe these changes and their effects of (Attach additional sheets if needed)	olumes s as well may (If no, contin	No X					
11. Are any materials or water reclamation		no, continue to section F)					
systems in use or planned?		- Section ry					



12. Briefly describe recovery process, substance recovered, percent recovered, and the concentration in the spent solution. Submit a flow diagram for each process (Attach additional sheets if needed)	



SECTION F - CHARACTERISTICS OF DISCHARGE

Priority Pollutant Information: Please indicate by selecting from the check boxes below for each listed chemical whether it is "Suspected to be Absent," "Known to be Absent," "Suspected to be Present," or "Known to be Present" in your manufacturing or service activity or generated as a byproduct. Some compounds are known by other names. Compounds with an asterisk (*) indicate possible synonym listing- See Priority Pollutant synonym list in Appendix A.

Item No.	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present	No.	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known
1.	Asbestos (fibrous)					66.	1,2-dichloroethane*	\Box	\Box	П	
2.	Cyanide (total)					67.	1,1-dichloroethene*		H	\vdash	
3.	Antimony (total)					68.	Trans-1,2-dichloroethene*	\Box		H	
4.	Arsenic (total)					69.	2,4-dichlorophenol				
5.	Beryllium (total)					70.	1,2-dichloropropane*	H	\vdash		
6.	Cadmium (total)					71.	(cis & trans) 1,3-		+	\vdash	
7.	Chromium (total)					72.	Dieldrin	\Box	┲	\vdash	\vdash
8.	Copper (total)					73.	Diethyl phthalate*	H	H	H	
9.	Lead (total)					74.	2,4-dimethylphenol*	H	Ħ	H	
10.	Mercury (total)					75.	Dimethyl phthalate	H	H	H	
11.	Nickel (total)					76.	Di-n-butyl phthalate	H	H	H	-
12.	Selenium (total)					77.	Di-n-octyl phthalate*	H		H	
13.	Silver (total)					78.	4,6-dinitro-2-	H	H	H	
14.	Thallium (total)				\Box	79.	2,4-dinitrophenol	H	H	H	\vdash
15.	Zinc (total)					80.	2,4-dinitrotoluene	H	H	H	H
16.	Acenaphthene					81.	2,6-dinitrotoluene	H	H	++1	Н
17.	Acenaphthylene					82.	1,2-diphenylhydrazine*	H	H	H	H
18.	Acrolein				H	83.	Endosulfan 1*	H	H	H	H
19.	Acrylonitrile					84.	Endosulfan 11*	H	H	H	+
20.	Aldrin		П	\Box	\Box	85.	Endosulfan sulfate	Н	H	H	+
21.	Anthracene			H	\Box	86.	Endrin	H	H	H	+
22.	Benzene					87.	Endrin aldehyde	H	H	H	\vdash
23.	Benzidine		П	Ħ	Ħŀ	88.	Ethylbenzene	H	H	H	\vdash
24.	Benzo (a) anthracene*	\sqcap				89.	Fluoranthene	$\vdash \vdash \vdash$	++	H	+
25.	Benzo (a) pyrene*	\Box	\sqcap	\Box	\vdash	90.	Fluorene*	$\vdash \!$	╆	H	+
26.	Benzo (b) fluoranthene*		\Box	$\Box \vdash$		91.	Heptachlor	┝┼	₽	H	⊣
27.	Benzo (g,h,i) perylene*	T	T			92.	Heptachlor epoxide	$\vdash \downarrow \downarrow$	H	\square	닏



2020		_									
28.	Benzo (k) fluoranthene*	Ш	Ш	Ш		93.	Hexachlorobenzene*				
29.	a-BHC (alpha)	Ш	\perp	Ш	Ш	94.	Hexachlorobutadiene				
30.	b-BHC (beta)	Ш	\vdash		Ш	95.	Hexachlorocyclopentadiene*				
31.	d-BHC (delta)			Ų		96.	Hexachloroethane*	U			
32.	g-BHC (gamma)*					97.	Indeno (1,2,3-cd) pyrene*				
33.	Bis (2-chloroethyl) ether*					98.	Isophorone*				
34.	Bis (2-chloroethoxy) methane*					99.	Methylene chloride*				
35.	Bis (2-chloroisopropyl) ether*					100.	Naphthalene				
36.	Bis (chloromethyl) ether*				П	101.	Nitrobenzene	П	П	П	
37.	Bis (2-ethylhexyl) phthalate*					102.	2-nitrophenol*			d	
38.	Bromodichloromethane					103.	4-nitrophenol*				
39.	Bromoform*			П		104.	N-nitrosodimethylamine*	П		П	$+\Box$
40.	Bromomethane*					105.	N-nitroso-di-n- propylamine*				
41.	4-bromophenylphenyl ether					106.	N-nitrosodiphenylamine*				
42.	Butylbenzyl phthalate		П	П	П	107.	PCB-1016*	П	П	П	
43.	Carbon tetrachloride*	П				108.	PCB-1221*	H	H		+
44.	Chlordane					109.	PCB-1232*	\Box		\Box	+
45.	4-chloro-3- methylphenol*					110.	PCB-1242*				
46.	Chlorobenzene					111.	PCB-1248*	\Box	\Box	\Box	\Box
47.	Chloroethane*					112.	PCB-1254*	T		T	
48.	2-chloroethylvinyl ether					113.	PCB-1260*				
49.	Chloroform*					114.	Pentachlorophenol		T	T	
50.	Chloromethane*					115.	Phenanthrene			H	
51.	2-chloronaphthalene					116.	Phenol				
52.	2-chlorophenol*					117.	Pyrene				
53.	4-chlorophenylphenyl ether					118.	2,3,7,8-tetrachlorodibenzo- p- dioxin*				
54.	Chrysene*			П	П	119.	1,1,2,2-tetrachloroethane*		П	П	П
55.	4,4 - DDD*					120.	Tetrachloroethene*				
56.	4,4 - DDE*					121.	Toluene*				
57.	4,4 - DDT*					122.	Toxaphene				
58.	Dibenzo (a,h) anthracene*					123.	1,2,4-trichlorobenzene				
59.	Dibromochloromethane					124.	1,1,1-trichloroethane*				
60.	1,2-dichlorobenzene*					125.	1,1,2-trichloroethane*		П		



PERMIT APPLICATION Wastewater Contributor

Sioux City Pretreatment Program

61.	1,3-dichlorobenzene*		126.	Trichloroethene*	ППП
62.	1,4-dichlorobenzene*	$\Pi\Pi$	127.	Trichlorofluoromethane*	
63.	3,3-dichlorobenzidine		128.	2,4,6-trichlorophenol	HH
64.	Dichlorodifluoromethane*		129.	Vinyl chloride*	
65.	1,1-dichloroethane*		1		+

For each of the chemical compounds which are indicated to be "Known Present," please list and provide the following data for each: (attach additional sheets if needed)

Item No.	Chemical Compound	Annual Usage (lbs.)	Estimated Loss to Sewer (lbs./Year)
			1
			-
			10



PERMIT APPLICATION Wastewater Contributor

Sioux City Pretreatment Program

SECTION G - TREATMENT								
 Is any form of wastewater treatment (see full list below) practiced at this Is any form of wastewater treatment (or changes to an existing wastewater treatment) planned for this facility within the next three years? (describe below) 								
3. Treatment many as a			use	d or proposed for	treati	ng wastewate	er or sl	udge (check as
Air flotation	X	Cyclone		Grinding filter	S	edimentation		Solvent
Centrifuge		Filtration		Grit removal	s	creen	X	Spill
Chemical precipitation	X	Flow equalization	X	lon exchange	2650	Reverse osmosis		Sump
Chlorination		Grease trap		Ozonation	S	Septic tank		
Rainwater o	liversi	on or storage		Neutraliz	ation,	pH correction		
Grease or o	il sep	aration (listtype)						
Biological t								
		eatment (list type		EM				
		reatment (list typ	e)					
Other (list typ	Named Street, Square		h Daleston Mari					
 Describe the pollutant loadings, flow rates, design capacity, physical size, and operating procedures for each treatment facility checked above (attach additional sheets if necessary) Lotury Screen fed by a flow EQ tank through Chemical dosing prior to GEM. Max Flow 3.0 MHD. Attach a process flow diagram for each existing treatment system. Include process 								
				ed chisposal method				
	water	discharge to th		or disposal metho y of Sioux City sar				
5. Proces	sf	low diagra	ım	-AHachme	nt =	±2		



	7. Do you have a wastewater treatment operator? Yes					N	No			
Operator N	lame		Certificate	Number	Phone			Em	Email	
Desiree McCaslen :			A - 86	59	•				The state of the s	
Specify Ope	rating	Hours	Mon	Tues \	Ned	Thurs	Fri	Sat	Sun	
Pretreatment	t Syste	m 2	24 hr					-	>	
No. of Full Tir	ne Sta	ff	33				1	-	,	
No. of Part Tir	me Sta	ıff	0	-					>	
Do you have a equipment?	writte	n manual d	on the corr	ect operati	on of y	our trea	tment	Yes	No	
Do you have a	writte	n maintend	ance sche	dule for you	ur treat	ment eq	uipment?	Yes	No	
1. Shift Infor	mation						HARA			
1. Shift Infor	mation							Frank of the		
	mafler	Monday	Tuesday	Wednesd	ay Thu	ursday	Friday	Saturday	Sunday	
Work days		Monday X	X	X	ay Thu	ursday X				
Work days Shifts per work do	ay	Monday X 2	X 2	X 2	ay Thu	X 2	Friday X	X	X	
Work days Shifts per work do Employees	ay 1 st	Monday X 2 14	x 2 14	X 2 14	ay Thu	X	Friday	X	X	
Work days Shifts per work do Employees	1 st 2 nd	Monday X 2	X 2	X 2	ay Thu	X 2	Friday X		X	
Work days Shifts per work do Employees per shift	1 st 2 nd 3 rd	Monday X 2 14 8	x 2 14 8	X 2 14	ay Thu	X 2	Friday X 2 14	X 2 8	X 2 8 8	
Work days Shifts per work do Employees per shift Shift start and	1st 2nd 3rd 1st	Monday X 2 14 8	x 2 14 8	X 2 14	ay Thu	X 2	Friday X 2 14	X 2 8	X	
Work days Shifts per work do Employees per shift Shift start and end time	1 st 2 nd 3 rd	Monday X 2 14 8	x 2 14 8	X 2 14	ay The	X 2	Friday X 2 14	X 2 8	X 2 8 8	



PERMIT APPLICATION

Wastewater Contributor

Sioux City Pretreatment Program

List types and amounts (mass or volume per day) of raw materials used or planned for use (attach list if needed)							
3. List type and quantity of chemicals used or planned for INCLUDE COPIES OF ALL MATERIAL SAFETY DATA SHEETS Chemical Quantity (inc. units) Muriatic Acid 2-275 gallon total	r use (attach list if needed) FOR ALL CHEMICALS IDENTIFIED Potential to Discharge to Sewer (Y or N) No - Intrhal Processing						
Sodium Hydroxide 2-275 gallon totas Ferric Chloride 12000 Bnik Tank Anionic Blymer ~ 500 gallon make up Cationic Polymer ~ 500 gallon make up	External Tunk No - Internal processing No - Internal processing						
Hydraulic 21 55-gallon or consumer Cleaning Chemicals Consumer 512e Lab Chemicals Consumer Size	NO-Internal processing NO-Internal processing NO-Internal processing.						
	7- 3						
4. Building Layout – Include a scale map or drawing of the location of each building on the premises. Show map orientation and location of all water meters, storm drains, numbered unit processes (from schematic flow diagram), public sewers, and each facility sewer line connected to the City of Sioux City sewer. Number each sewer and show existing and proposed sampling locations. A blueprint or drawing of the facilities showing the above items may be attached in lieu of submitting a drawing on this sheet. Attach ment # 3A : 3B							



PERMIT APPLICATION Wastewater Contributor

Sioux City Pretreatment Program

SECTION I – SPILL PREVENTION
1. Do you have chemical storage containers, tanks, vessels, etc. at your Yes X
 If yes, include all raw products, waste products, chemicals, cleaning supplies, etc. stored on-site in quantities greater than 10 gallons for liquids or 50 lbs for solids. Indicate if additional sheets are attached.
Product/Item Stored Maximum Quantity Stored (Include Units) Location and Container Type Floor Drains in Vicinity Muriatic Acid 525 allons Internal Total Yes No Dadwim Hydroxide 525 gallons Internal Total Yes No Dadwim Hydroxide 12,000 gallon Extral Tank Yes No Dationic Polymer no 500 gallon Internal Tank Yes No Dationic Polymer no 500 gallon Internal Tank Yes No Difference do they discharge to? Plant return Wetwell for newtral Zation and treatment GEM 5. If you have chemical storage containers, tanks, vessels, etc. in the manufacturing area, could an accidental spill lead to a discharge to (check all that apply) An onsite disposal system Storm drain Sanitary sewer system N/A, No possible discharge to any To ground (e.g. through a floor drain) Other
6. Do you have an accidental spill prevention plan, Slug Control Plan, or SPCC plan to prevent spills of chemicals or sludge discharges from entering the wastewater or storm collection systems?
Yes No No Yes (please enclose copies with application)- Slug Control Plan required within 90 days of issuance of permit
7. Please describe below any previous spill events (within last three years) and remedial measures taken to prevent their reoccurrence



SECTION J - NON-DISCHARGED WASTES 1. Are any waste liquids or sludge materials generated and not disposed of in the sanitary sewer system? **Waste Generated** Quantity (Per Year) **Disposal Method** Diester Shidge 46 tons / day 2. Indicate which wastes identified above are disposed of at an off-site facility and which are disposed of on-site Digister Studge off Site. 3. If any of your wastes are sent to an off-site centralized waste treatment facility, identify the waste and the facility: 4. If an outside firm removes any of the above listed wastes, state the name(s) and address(es) of all waste haulers Name Address Permit No. 1364 US20, Jackson, NE Gill Hauling 5. Have you been issued any Federal, State, or local Yes No environmental permits? X If yes, please list below Permit Type/Description **Permitting Entity** Number Stormwater Permit NER910002 NDED Air Emmissions Permit NDER 415008



SECTION L - AUTHORIZED SIGNATURES 1. Compliance Certification 2. Are all applicable Federal, State, or local pretreatment standards and requirements being met on a consistent basis? Yes | X | No (if no answer question below) Not Yet Discharging 3. What additional operations and maintenance procedures are being considered to bring the facility into compliance? Also, list additional treatment technology or practice being considered in order to bring the facility into compliance 4. Provide a schedule for bringing the facility into compliance. Specify major events planned along with reasonable completion dates. Note that if the City of Sioux City issues a permit to the applicant, it may establish a schedule for compliance different from the one submitted by the **Milestone Activity Completion Date**



5. Authorized Representative Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Desiree	McCaslen
First Name	Last Name
Regulatory Compliance Director	
Desin MCCare	8/29/17
Signature	Date

APPENDIX A- PRIORITY POLLUTANT SYNONYM LISTING

Chemical Compound	Synonym				
Asbestos	Actinolite, Amosite, Antophyllite, Chrysotile,				
0 11	Crocidolite, Tremolite				
Cyanide	Hydrogen Cyanide, Potassium Cyanide, Sodium				
Antimony	Cyanide				
Arsenic	Stibium				
Beryllium	Arsenia				
Lead	Glucinium				
Mercury	Plumbum				
Silver	Hydrargyrum; Liquid Silver, Quick Silver				
Acenaphthene	Argentum				
Acenaphinene	1,2-Dihydroacenoaphthylene;				
	Periethylenenaphthalene; 1,8-				
Acrolein	Ethylenenaphthalene				
2.0.0.0.11	2-Propenal; Propenal; Allyl aldehyde, Acraldehyde				
Acrylonitrile	Acrylaldehyde, Acrylic aldehyde, Aqualin				
	2-Propenenitrile; Propenenitrile, Vinyl cyanide,				
	Cyanoethylene; Acritet; Fumigrain; Ventox; Acrylonitrile monomer				
Aldrin	1,2,3,4,10, 10-Hexachloro-1,4,4a,5,8,8a-Hexahydro				
	1,4:5,8-Dimethanonaphthalene; HHDN; Compound				
	118; Octalene				
Benzene	Benzol; Cyclohexatriene, Phenyl hydride				
Benzidine					
DOTIZIONE	4,4'-Bianiline; 4,4'-Biphenyldiamine; 1,1'- Biphenyl-				
	4,4'-diamine; 4,4'-Diaminobiphenyl; p-				
Benzo(a)anthracene	Diaminodiphenyl				
Benzo(a)pyrene	1,2-Benzanthracene, 2,3-Benzphenenthrene				
Benzo(b)fluoranthene	3.4-Benzopyrene 2.3-Benzfluoranthen 2,3-Benzofluoranthene 3,4-				
	Benz(e)acephenathrylene 3,4-Benzfluoranthene 3,4-				
	Benzofluoranthene Benz(e)fluoranthene				
Benzo(g,h,i)perylene	1.12-Benzoperylene				
Benzo(k)fluoranthene	11,12-Benzofluoranthene				
g-BHC (gamma)	Lindane				
ois(2-chlorethoxl) methane	2.2'-Dichlorethyl ether				
Dichlorodifluoromethane	Difluorodichloromethane, Flurocarbon-12				
1,1'dichloroethane	Ethylidene chloride				
1,2-dichloroethane	Ethylene chloride, Ethylene dichloride				
1,1-dichloroethane	1,1-Dichloroethylene				
rans-1,2-dichloroethene	Acetylene dichloride				
,2-dichloropropane	Propylene dichloride				
cis & trans) 1,3- dichloropropane	(cis & trans) 1,3 Dichloropropylene				
Diethylphthalate	Ethyl phthalate				
2,4-dimethylphenol	2,4-zylenol				
di-n-octyl phthalate	Di(2-ethylhexyt)phthalate				
1,6-dinitro-2- methylphenol	4,6-Dinitro-octyl-cresol				
,2-diphenylhydrazine	Hydrazobenzene				
ndosulfan I	a-Endosulfan-alpha				
indosulfan II	b-Endosulfan-beta				
luorene					
Hexachorbenzene	(alpha)-Diphylene methane				
lexachlrocyclopentadiene	Perchlorobenzene				
lexachloroethane	Perchlorocyclopentadiene				
ndeno-(1,3,3-cd) pyrene	Perchloroethane				
sophorone	2,3-ortho-Phenylene pyrene				
Methylene chloride	3,5,5-Trimethyl-2- Cyclohexene-1-one				
nemylerie chloride	Dichloromethane				

Chemical Compound	Synonym		
bis(2-chloroisopropyl) ether	2,2'-Dichloroisopropylether		
bis(chloromethyl)ether	(sym)Dichloromethylether		
bis(2-ethylhexyl) phthalate	2,2'-Diethylhexyl phthalate		
Bromodichloromethane			
Bromoform	Dichlorobromomethane Tribromomethane		
Bromomethane	Methyl bromide		
carbon tetrachloride	Tetrachloromethane		
4-chloro-3-methylphenol	Para-chloro-meta-cresol		
chloromethane	Ethylchloride		
chloroform	Trichloromethane		
chloromethane	Methyl chloride		
2-chlorophenol	Para-chlorophenol		
Chrysene	1,2-Benzphenanthrene		
4,4'-DDD	Dichlorodiphenyldichlorethane, p,p'-tde Tetrachlorodiphenylethane		
4,4'-DDE	Dicholodiphenyldichloroethylene		
4,4'-DDT	Dichlorodiphenyltrichloroethane		
Dibenzo(a,h)anthracene	1,2,5,6-dibenzanthracene		
Dibromochloromethane	Chlorodibromomethane		
1,2-dichlorobenzene	Ortho-dichlorobenzene		
,2-dichlorobenzene	Meta-dichlorobenzene		
,4-dichlorobenzene	Para-dichlorobenzene		
2-nitrophenyl	Para-nitrophenyl		
4-nitrophenyl	Ortho-nitrophenyl		
N-nitrosodimethylamine	Dimethylnitrosoamine		
N-nitrosodi-n- propylamine	n-Nitro-di-n-propylamine		
N-nitrosodipheynylamine	Diphenyl-nitrosoamine		
PCP-1018	Arochlor-1018		
PCB-1221	Arochlor-1221		
PCB-1232	Arochlor-1232		
PCB-1242	Arochlor-1242		
PCB-1248	Arochlor-1248		
PCB-1254	Arochlor-1254		
CB-1260	Arochlor-1260		
3,7,8-tetrachlorodibenzo-p- dioxin	TCDD		
,1,2,2-tetrachloroethene	Acetylene tetrachloride		
etrachloroethene	Perchloroethylene, Tetrachloroethylene		
oluene	Methylbenzene toluol		
,1,1-trichloroethane	Methyl chloroform		
.1.2-trichloroethane	Vinyl frichloride		
richloroethane	Trichloroethylene		
richlorofluoromethane	Fluorocarbon-11; Fluorotrichloromethane		
/inyl chloride	Chloroethene; Chloroethylene		

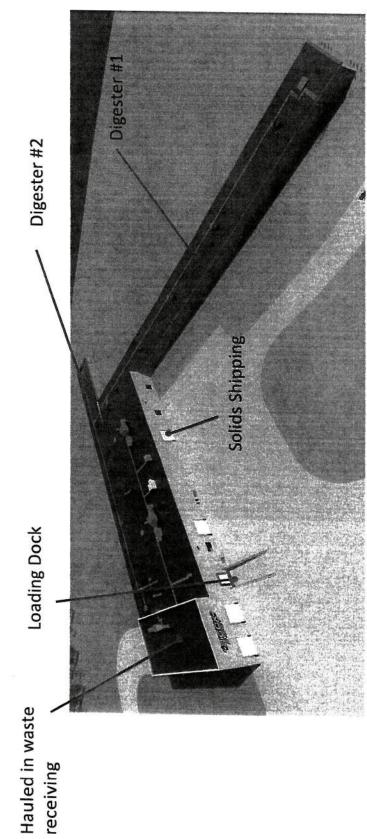
Attachment #1

Æffluent Flow Meter/Sampler Gas Energy Mixing (GEM) Rotary Screen GEM EQ Flash Tanks **GEM Sludge Tanks** Centrifuges (2)

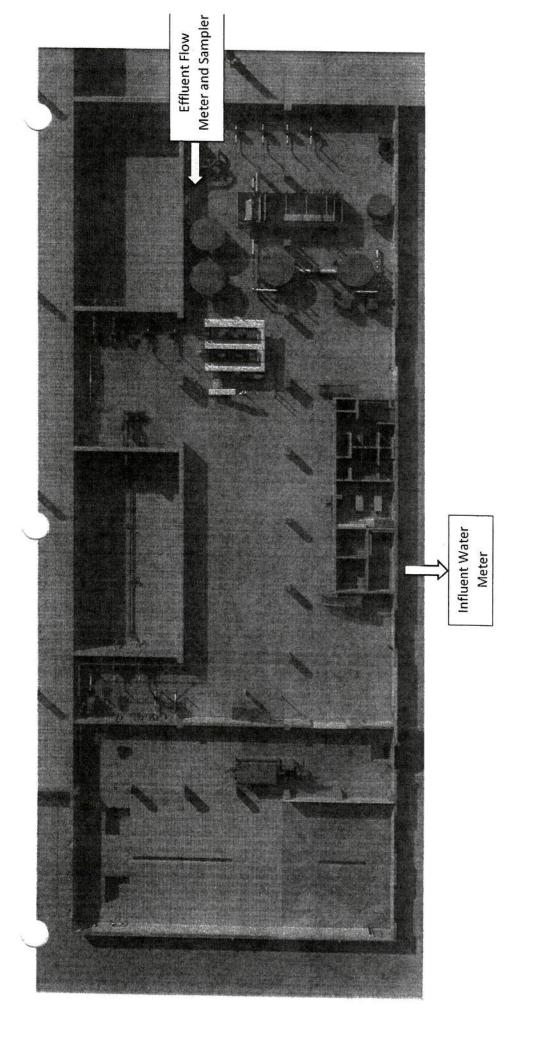
Attachment #2-Effluent Processing

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Attachment #3A-Facility Overview



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Attachment #3B-Inside Facility Overview